

Bridge Mounted Sign Barrier Mounted sign

A *Bridge Mounted Sign* (key word) is mounted on the outside of a bridge and faces traffic passing under the bridge structure. A *Barrier Mounted Sign* (key word) is mounted outside the bridge and faces traffic traveling over the bridge. Barrier mounted signs are roadside signs (usually small) that must be mounted on bridges.

Structural design specifications for all signs and signals can be found in the AASHTO publication entitled *Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals*. All overhead signs (over traffic) require a design wind speed of 80 MPH.

Requests for sign mounting details are initiated by the District Traffic Departments and are routed to Structure Design. The letter of request should state the following:

1. Sign size and locations of the mounted sign.
2. The type of sign panel to be mounted. Laminated Type A, Overhead Formed Panel, or single sheet (available for small barrier mounted signs only).
3. Lighting requirements. If lighting is not required a catwalk is not required over non-freeway. Catwalk are always required on bridge mounted sign over freeways.
4. Is a skewed sign mount required? Bridges with skews exceeding 10° will sometimes need special skewed sign mounts for mounting bridge mounted signs.

The Design Supervisors will coordinate and assign letters of request to bridge design sections.

Semi-standard (see page 3 and skewed example page 8) sheets for use in preparing details for structure mounted overhead signs are available from the Sign Specialist. These sheets can be used for most structures. A custom design will be required for those situations where the details shown on the semi-standard sheets cannot be readily adapted to the structure.

Supersedes Memo to Designers 21-12 dated June 1990



The group responsible for the design of the structure on which a sign is to be mounted should complete the semi-standard sheet by filling in data that is applicable to that particular structure. *After the sheet has been checked and signed*, it is then transmitted to the District. In the contract plans, the completed sheet is grouped with other overhead sign sheets. The location of all structure mounted signs should be indicated on the General Plan for the structure.

The following example shows the most common Bridge Mounted Sign, a laminated panel Type A with walkway.

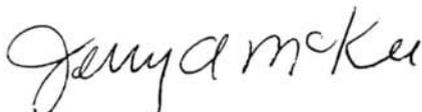
Pages 6 through 8 provide some details and show an example of how to mount signs on a structure skewed more than 10°.

Attachment details for overhead formed panels are shown on Standard Plan S8B and Standard Plan S8-BA "Frame Mounting Details."

A file of completed sign jobs is available for reference use.

Note that vertical clearances has been revised. *All* bridge mounted signs shall furnish a vertical clearance of 9 inches above the bridge soffit (see page 6).

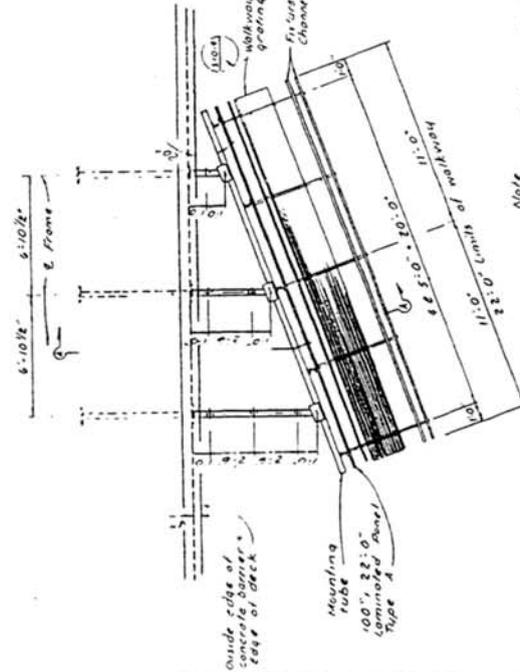
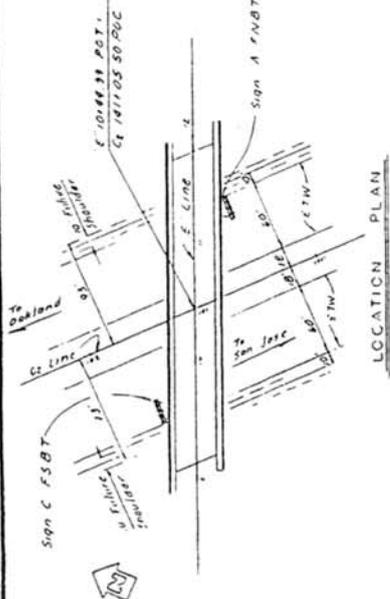

Floyd L. Mellon


Jerry A. Mckee

EMR:tr

DATE	COUNTY	ROUTE	POST MILE	POST MILE
05	ALB	880		

EAST BAY
 REGISTERED CONTRACTOR
 P. V. S. LAMONG, D.E.
 1515 LAMONG DRIVE



Note Sign A shown Sign C similar

- Notes
- 1 For details not shown see Standard Plans.
 - 2 Exterior painted angle to face outward to accommodate the safety chain angle.
 - 3 Finish to be advancing 1/8" holes in underside of tubing made added by contractor to permit draining of galvanizing seal welds.
 - 4 All high strength (MS) bolts shall be wrench tightened.
 - 5 Min size fillet weld is 1/8" or smaller piece thickness unless noted otherwise.
 - 6 For SECTION A-A see 'Anchorage & Frame Detail' sheet.

EXAMPLE

SIGN A AND C		SIGN B		SIGN D		SIGN E		SIGN F		SIGN G		SIGN H		SIGN I		SIGN J		SIGN K		SIGN L	
DIVISION OF STRUCTURES												STRUCTURE DESIGN				11 180					
STATE OF CALIFORNIA												DEPARTMENT OF TRANSPORTATION				11 180					
PROJECT NO.												11 180				11 180					
DRAWN BY												11 180				11 180					
CHECKED BY												11 180				11 180					
DATE												11 180				11 180					
SCALE												11 180				11 180					
SHEET NO.												11 180				11 180					
TOTAL SHEETS												11 180				11 180					
PROJECT NAME												11 180				11 180					
PROJECT LOCATION												11 180				11 180					
PROJECT DESCRIPTION												11 180				11 180					
PROJECT OWNER												11 180				11 180					
PROJECT CONTRACTOR												11 180				11 180					
PROJECT ARCHITECT												11 180				11 180					
PROJECT ENGINEER												11 180				11 180					
PROJECT INSPECTOR												11 180				11 180					
PROJECT MATERIALS												11 180				11 180					
PROJECT LABOR												11 180				11 180					
PROJECT EQUIPMENT												11 180				11 180					
PROJECT OTHER												11 180				11 180					
PROJECT TOTAL												11 180				11 180					

